

20000205.qrp v01_n722.qrl.20000205

Date: Sat, 5 Feb 2000 19:03:06 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1722

QRP-L Digest 1722

Topics covered in this issue include:

- 1) [62171] Re: OT: Free ISP's
by George F Franklin <w0av@juno.com>
- 2) [62172] Test only... Do Not Read
by Kw4cz@aol.com
- 3) [62173] CQ IBM?
by "John A. Evans - N0HJ" <jae@codenet.net>
- 4) [62174]
by "williswonkas" <williswonkas@email.msn.com>
- 5) [62175] BRAIN DEAD, NEED HELP
by "The One and Only!" <mitch96@pobox.com>
- 6) [62176] FYBO
by "James R. Duffey" <jamesd1@flash.net>
- 7) [62177] "Ham Radio"- available on microfiche
by Stuart Rohre <rohre@arlut.utexas.edu>
- 8) [62178] Email change
by "Jess Gypin" <jessqrp@uswest.net>
- 9) [62179] Re: BRAIN DEAD, NEED HELP
by Roger Hightower <n7kt@earthlink.net>
- 10) [62180] FYBO from Colorado Springs
by Lou Martin <lmartin@uswest.net>
- 11) [62181] Re: BRAIN DEAD, NEED HELP
by "George T. Baker" <w5yr@att.net>
- 12) [62182] Re: PSK31 frequencies
by "Nick Kennedy" <nkennedy@tcainet.net>
- 13) [62183] EXTENSION POLE EXTRA
by ARDUJENSKI@aol.com
- 14) [62184] Re: QEX CD does not "Browse"
by "Vincent Ferme" <vferme@sprint.ca>
- 15) [62185] Re: FOC
by "Vincent Ferme" <vferme@sprint.ca>
- 16) [62186] WTB: Transmitter
by Norman Young <normany@mindspring.com>
- 17) [62187] RE: Dymo Label Makers
by Norman Young <normany@mindspring.com>
- 18) [62188] New Product for use with Soundblaster card: PSK31/ contest voice keyer, etc.
by Dave Sjolin <sjolin@swbell.net>

- 19) [62189] RE: New Thread: Marking Wall Warts
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 20) [62190] OP: PSK31 freq
by "Richard Matthews" <prm@hiwaay.net>
- 21) [62191] PAR FOR THE COURSE (QRP)
by ARDUJENSKI@aol.com
- 22) [62192] FOC
by "John A. Evans - N0HJ" <jaevas@codenet.net>
- 23) [62193] Re: extreme QRPp
by "Bob Tellefsen" <n6wg@earthlink.net>
- 24) [62194] FYBO QRPp 20m & 40m
by S LYON <sslyon@worldnet.att.net>
- 25) [62195] Need some help - Shortened dipole elements formula ?
by WB9MII@aol.com
- 26) [62196] Re: FOC
by "Paul Harden, NA5N" <na5n@rt66.com>
- 27) [62197] Long! Sierra, low signal from buffer/driver circuits...
by "Tom Scott" <tscott@eni.net>
- 28) [62198] Re: extreme QRPp
by Stewart Bryant <stewart.bryant@virgin.net>
- 29) [62199] OT: IMPROPER POST: ALL OF THE ABOVE: Re: Free internet access
problems
by "Walt Amos" <k8cv@netzero.net>
- 30) [62200] Re: BRAIN DEAD, NEED HELP
by Bob Patten <n4bp@bc.seflin.org>
- 31) [62201] Re: Dymo Label Makers
by "Francis Callahan" <colcal@srv.net>
- 32) [62202] ANT: 160 M QRP Ant. Switching
by "Chuck Carpenter" <w5usj@globeco.net>
- 33) [62203] Re: PSK31 frequencies
by Jim Durkin <jimdurkin@yahoo.com>
- 34) [62204] Re: FOC
by =?iso-8859-1?Q?St=E9phane_Collas?= <scollas@club-confair.com>
- 35) [62205] Re: PSK31 frequencies
by "Pastor-kc1di" <ELBC@PIVOT.NET>
- 36) [62206] Re: PSK31 frequencies
by "Chuck Carpenter" <w5usj@globeco.net>
- 37) [62207] Re: PSK31 frequencies
by "Pastor-kc1di" <ELBC@PIVOT.NET>
- 38) [62208] FYBO - 20'
by David M Kopacki <kf2ew@juno.com>
- 39) [62209] CW FILTER HELP FOR KENWOOD 570 PLEASE
by "Richard Williams" <richard.a.williams@attcanada.net>
- 40) [62210] Topographical Maps
by w2xn@juno.com
- 41) [62211] Re: BRAIN DEAD, NEED HELP
by Roger Hightower <n7kt@earthlink.net>
- 42) [62212] FYBO

- by Roger Hightower <n7kt@earthlink.net>
- 43) [62213] Re: BRAIN DEAD, NEED HELP
by Marty Watt <N5NW@midsouth.rr.com>
- 44) [62214] Re: Need some help - Shortened dipole elements formula ?
by "Don Wilhelm" <w3fpr@arrl.net>
- 45) [62215] e-mail test
by Kw4cz@aol.com
- 46) [62216] Re: BRAIN DEAD, NEED HELP
by fred w2xn <w2xn@juno.com>
- 47) [62217] WTB: SST, any condition
by "Alan Fryer" <n3bj@hotmail.com>
- 48) [62218] thanks
by Gordon <gordon@znet.groupz.net>
- 49) [62219] Labelling projects, Dymo no P-touch yes!
by Goemans <jgoemans@facstaff.wisc.edu>
- 50) [62220] Re: Labelling projects, Dymo no P-touch yes!
by david fouchey <dafouchey@home.com>
- 51) [62221] Re: Labelling projects, Dymo no P-touch yes!
by "Rod, N0RC" <n0rc@yahoo.com>
- 52) [62222] A long-haul vertical antenna test
by "AI2Q Alex" <ai2q@ispchannel.com>
- 53) [62223] Re: Labelling projects, Dymo no P-touch yes!
by Wb8siw@aol.com
- 54) [62224] Re: A long-haul vertical antenna test
by david fouchey <dafouchey@home.com>
- 55) [62225] RE: A long-haul vertical antenna test
by "AI2Q Alex" <ai2q@ispchannel.com>
- 56) [62226] Re: Labelling projects, Dymo no P-touch yes!
by K2UD@aol.com
- 57) [62227] Need reflector e-mail help please
by Kw4cz@aol.com
- 58) [62228] NC-20
by Pete Burbank <plburbank@kih.net>
- 59) [62229] NC-20 Trade
by "Paul Christensen" <paulc@mediaone.net>
- 60) [62230] Re: Labelling projects, Dymo no P-touch yes!
by Jerry Flanders <jflanders2@home.com>
- 61) [62231] RE: WalMart goes QRO
by K1DXradio@aol.com
- 62) [62232] FYBO
by Monte Stark <ku7y@dri.edu>
- 63) [62233] Re: FYBO de AL7FS
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 64) [62234] FYBO: de AL7FS
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 65) [62235] WTB: KK7B R2 receiver
by "Alan Fryer" <n3bj@hotmail.com>
- 66) [62236] wELL I Almost....

by hamjoel@juno.com
67) [62237] F/B ratios
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
68) [62238] Holiday Milliwatt Contest - Results!
by Bob Kellogg <ae4ic@nr.infi.net>
69) [62239] Re: FYBO de AL7FS
by Monte Stark <ku7y@dri.edu>
70) [62240] FYBO
by Shephed@aol.com
71) [62241] Wanted: Norcal Toroid Kit
by Jim Dolson <jdolson@iserv.net>
72) [62242] FYBO: AL7FS Alaska
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
73) [62243] AL7FS calling cq on 28.060
by Tim Pettibone <k5oi@zianet.com>
74) [62244] Re: CQ IBM?
by "Kevin Gibson" <kgibson@bresnanlink.net>
75) [62245] Fw: [GQRP] HW9 WARC Band Kit Instructions...
by "Andy GM0NWI" <gm0nwi@tesco.net>
76) [62246] OT: test
by "Dave" <dodgeboy@mindspring.com>

Date: Fri, 4 Feb 2000 18:17:15 -0600
From: George F Franklin <w0av@juno.com>
To: K1DXradio@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [62171] Re: OT: Free ISP's
Message-ID: <20000204.182152.-504899.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi George,

Not cheap; frugal!

72 de George/W0AV

Grumpy? Why not?

Date: Fri, 4 Feb 2000 19:27:06 EST
From: Kw4cz@aol.com
To: qrp-1@lehigh.edu

Subject: [62172] Test only... Do Not Read
Message-ID: <c0.11227df.25ccc85a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Test only

Date: Fri, 04 Feb 2000 17:39:14 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [62173] CQ IBM?
Message-ID: <389B7131.30F1CD7E@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Quick Q - what contest is this?

tnx es 72 - john - n0hj

Date: Fri, 4 Feb 2000 20:05:48 -0500
From: "williswonkas" <williswonkas@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Message-ID: <000b01bf6f75\$25ce5840\$b686193f@oemcomputer>

What is the FOC ? contest.

73 Ken

Date: Fri, 04 Feb 2000 20:28:27 -0500
From: "The One and Only!" <mitch96@pobox.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [62175] BRAIN DEAD, NEED HELP
Message-ID: <389B7CBB.6CB49578@pobox.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greeting

Having a discussion here and had a senior moment.....

What does F.O.C. stan for ??

I can fig out Operators Club but the rest????????

--

73, mitch ww4ml

lost in the ethers again.. _\/_
 /

Date: Fri, 04 Feb 2000 18:28:56 -0700

From: "James R. Duffey" <jamesd1@flash.net>

To: qrp-l@lehigh.edu

Subject: [62176] FYBO

Message-ID: <200002050128.TAA20510@ogopogo.flash.net>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Well FYBO preparations are going well here.

The last propagation forecast I checked predicted a solar flux of 160 (90 day smoothed of 173), a K of 8 and an A of 3. This means conditions will be good, 10 M will be open, and QSB and noise will not be excessive. There will be a good chance to work Jim AL7FS! Conditions should be good for the contest.

The battery is all charged and I will pack the car after supper. I got some new feedline to replace that which became part fo a semipermanent antenna system. I will be using my TS-850 and a set of parallel dipoles erected as an inverted vee at 20 feet.

I will be opreating at Gallisteo Dam which has good radio horizons.

Here is my operating strategy. I will start on 40M at the beginning of the contest which is near sunrise here. This will give me the chance to work 40M and close in stations before the ionospheric absorption gets too high. If I get lucky I may get some grey line propagation. I typically have problems working the close in stations and I hope that this will alleviate that problem. The early start will also insure me of the coldest temperatures, which should be in the high 20s according to the forecasts.

I usually try to "ride the MUF" in contests. That means I usually work

the highest frequency that is open. I will do this in FYBO as well.

I usually call CQ until responses get too far apart. I set a time for this, say 3 to 5 minutes. If I haven't gotten a response in this time then I search and pounce. I set another timelimit, say 10 to 15 minutes. If I haven't gotten a contact on a band within this time, then I QSY to another band.

Although it probably isn't a factor in this contest, I usually go and call CQ on a band that isn't open. I work some DX this way that I wouldn't work otherwise.

I also set a goal in a contest. In this year's FYBO I would like to work more than 100 stations.

Good luck in the contest and don't forget to closely zero beat N4BP! -
Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Fri, 04 Feb 2000 19:34:17 -0500
From: Stuart Rohre <rohre@arlut.utexas.edu>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [62177] "Ham Radio"- available on microfiche
Message-ID: <389B7009.66EB1DF9@arlut.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't think ARRL got the rights to Ham Radio magazine.

CQ had the rights to it, except for the license to Buckmaster Publishing, who do all the magazines on microfiche. For a fairly reasonable sum, you can get all of Ham Radio collected on fiche, and they also sell a fiche reader for something like \$70. Not as cheap as a CD ROM, but available now.

You can get the entire collections of the ham magazines on fiche, and then annual updates at the end of each succeeding year. I was (luckily) given a portable fiche reader about the size of a laptop some years ago, and use it with Motorola semiconductor catalogs on fiche.

(Mainframe computer engineers used to keep service manuals on microfiche in the later years of large computers with Field Service.)

It is as portable as a lap top, but not battery powered. Short of a laptop, you are not going to be able to take the QST CD to the "Reading Room", but you could take a microfiche copy. :-)

For those new to archiving, a microfiche is a set of microfilm images on a card about the size of a 5X7 file card. The reader is just an illuminated magnifier.

72, Stuart K5KVH
Austin TX

Date: Thu, 3 Feb 2000 18:34:51 -0700
From: "Jess Gypin" <jessqrp@uswest.net>
To: <miatapower@milewski.org>, "Multiple recipients of list" <miata@realbig.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <mx5@ix.netcom.com>, <Corkybell13@aol.com>, <cocwdancer@yahoo.com>
Subject: [62178] Email change
Message-ID: <004e01bf6eb0\$07ef83a0\$0100a8c0@jess>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know that there are many of you that will not care but some that will. My primary home email address is changing from jessqrp@earthlink.net to

jessqrp@uswest.net

I will maintain the earthlink account for a few more days, but please send all email to the new address. You can also reach me at jmgqrp@yahoo.com

Thanks for taking the time to read this.

Jess

Date: Fri, 04 Feb 2000 18:38:13 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: mitch96@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62179] Re: BRAIN DEAD, NEED HELP

Message-ID: <389B7F05.52A664AD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FOC = First Class Operators Club.

By invitation only. As I recall, several members of the List belong to that thanks to an unnamed benefactor last year.

72...Roger, N7KT

Date: Fri, 04 Feb 2000 18:07:28 -0700
From: Lou Martin <lmartin@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [62180] FYBO from Colorado Springs
Message-ID: <389B77D0.9237B71C@clsp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I will be operating from the Pikes Peak Council, Boy Scouts of America Freezoree.

We expect 2,500 or more Scouts and Scouters to our council's premiere winter camping event.

Our Troop 8 will be camping in the woods just south of the Air Force Academy football stadium parking lot. I've dragging a bit from a slight cold, but this is my first chance to try one of Vern's SLVs and my DSW-40. I'll also have the QRP+ ready to go multi-band and SSB.

LOU
KC0BBE
Monument, CO

Date: Fri, 04 Feb 2000 19:50:07 -0600
From: "George T. Baker" <w5yr@att.net>
To: mitch96@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [62181] Re: BRAIN DEAD, NEED HELP
Message-ID: <389B81CF.FB54025E@att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First Class Operator

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972

"The One and Only!" wrote:

>
> Greeting
> Having a discussion here and had a senior moment.....
> What does F.O.C. stan for ??
> I can fig out Operators Club but the rest?????????
> --
> 73, mitch ww4ml
> lost in the ethers again.. _\/_
> \/_/

Date: Fri, 4 Feb 2000 20:03:33 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62182] Re: PSK31 frequencies
Message-ID: <001301bf6f7d\$353c4280\$215c32cf@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

PSK-31 is pretty cool alright. We had a discussion about frequencies a while back. On 40, the "official" frequency is European, cause they have a limited frequency allocation on 40 (as I was politely informed in our previous thread). For US domestic QSOs, I think it's up in the digital region.

72,

Nick, WA5BDU

----- Original Message -----
From: "Tom M" <tjmc@erols.com>

> > I know if the frequencies on 40 and 20, but are
there other frequencies
>
> To my knowledge...as per the "official" PSK31 page;
> 1838.150
> 3580 "
> 7035 "
> 10140 "
> 14070 "
> 18100 "
> 21080 "
> 24920 "
> 28120 "
>

Date: Fri, 4 Feb 2000 21:04:35 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [62183] EXTENSION POLE EXTRA
Message-ID: <78.10b896b.25ccdf33@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just to let you know, an added benefit of this pole I mentioned previously (24 ft paint extention pole) is you can mount the BLACK WIDOW on the top. Next to the pole in HOME DEPOT is a tapered extension designed to screw on the end on extensions and can slip into the handle of paint rollers, etc. By applying just a few layers of electrical tape over the taper you get a snug fit in the base of the fishing pole. When using the RS guy ring collar on the extension pole you should have an acceptable 40+ mast to string a vertical wire.

Alan KB7MBI
(PS I got my pole by suggesting to the xyl we get it to clean the second story windows)

Date: Fri, 4 Feb 2000 21:33:40 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62184] Re: QEX CD does not "Browse"
Message-ID: <001701bf6f81\$6d6baa20\$b3146395@vince>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Frank,

Please don't take this question as an insult but did you have the right CD for the issue you wanted to browse loaded?

My experience is that the "Browse Item" will only and always take me to the first page of the issue I want to browse, after that I have to use the left and right arrow on the tool bar.

I like the CD but the interface is very bad.

73 de Vince, VA3VF.

----- Original Message -----

From: "Frank Krozel" <frank@electronicinstrument.com>
I just got QEX on CD, and tried to find some data on transmitter amplifiers, it worked nice.
But, I wanted to Browse, and hit the browse button. It stated insert the CD. It was already in...
Am I the only one with this problem? I want to just browse the CD like the magazine.

Date: Fri, 4 Feb 2000 21:40:27 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62185] Re: FOC
Message-ID: <004701bf6f82\$5d7d7d40\$b3146395@vince>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Ken,

I believe it's a club and the initials stand for Fine Operators Club, but don't quote me on that. :)

73 de Vince, VA3VF.

----- Original Message -----

From: "williswonkas" <williswonkas@email.msn.com>

What is the FOC ? contest.

Date: Fri, 04 Feb 2000 22:10:29 -0500

From: Norman Young <normany@mindspring.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [62186] WTB: Transmitter

Message-ID: <1.5.4.16.20000205031029.21878812@pop.mindspring.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Thanks to a smashing comedy of errors by UPS, I am still looking for a transmitter to pair with my Kenwood 599D receiver. A few weeks back, I asked about a 599D transmitter to replace the one that was destroyed by UPS, but without much luck, so now I'm looking for most any transmitter that will get me back on HF.

I'm looking for something in good working order, but not a show piece. I'm looking for 75-100 watts QRO, and I would prefer both CW and SSB., but I want something that I can reduce power to 5 watts or less for QRP ops, since that is almost all I do. A manual is a necessity.

If you have a not so pretty but working boat anchor that is excess to your needs, I'd love to hear from you. Please email me direct.

72,
Norman

Norman Young <><
KA4PUV
Zebulon, NC

Date: Fri, 04 Feb 2000 22:11:39 -0500

From: Norman Young <normany@mindspring.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [62187] RE: Dymo Label Makers

Message-ID: <1.5.4.16.20000205031139.21879788@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A while back, I built the VE3DNL marker generator, and I wanted to use my old Dymo label maker to label it. When I found it, it was under a ton of stuff in my daughter's desk, and it was broken, so I headed down to the local drug store to get a replacement.

The new Dymo had been redesigned to be more compact, but I never could get it to work right. Thinking it was possibly a bad unit, I exchanged it for another one, but still no luck. Sometimes the tape would not advance properly, and I the second letter would overstrike the first. I wasted almost a whole roll of tape making three labels. I'm usually pretty good at following directions, but I may have been doing something wrong, since the directions consisted of several pictures on the back of the blister pack.

Sure wish I could find a real Dymo. The one I had made great labels for years, but I can't say the same for the new and improved version...

72,
Norman

>A second vote for the Dymo Tape labeler. A light spray of Krylon clear
>sealer will keep the tape in place.

>
>gr
>
>
>--
>GLEN REID
>K5FX/M BGF>

Norman Young <><
KA4PUV
Zebulon, NC

Date: Fri, 04 Feb 2000 21:13:32 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [62188] New Product for use with Soundblaster card: PSK31/ contest voice
keyer, etc.
Message-ID: <389B955C.BFC3D294@swbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

This new product is still six weeks or so away from being available for purchase. But I thought I would share the URL since there seems to be a lot of interest in PSK31 and also in some of the other digital modes. This would be a great product to connect to your K2. Im not affiliated with the mfr. Just saw the posting on VHF reflector.

<http://www.westmountainradio.com/>

The RIGblaster connects your radio to your computer. It is the easy and modern way to get on the air with PSK31, SSTV, RTTY, AMTOR, PACKET, Contest Voice Keying, HSCW meteor scatter, and other new modes. Your computer and RIGblaster take the place of the older expensive adapters or TNC's.

The RIGblaster works with Yaesu, Icom and Kenwood radios that use 8 pin microphone connectors. Tuning and other microphone functions still work. A plug-in jumper selects the radio, with custom jumpers available for other brands.

The RIGblaster eliminates ground loops, matches the sound card audio, and provides fully automatic audio and push to talk (PTT) control. You will have completely normal station operation without disconnecting or switching.

Ham software automatically controls the PTT and audio via the serial port through the RIGblaster. A PTT interrupt feature controls contest voice keyer sequences. At anytime you can talk over your computer with the mic. override circuit. The AUTO/VOX selector switch allows VOX operation without a serial interface.

The RIGblaster comes complete, with 12V wall supply, a 36" radio mic. cable plus a CD ROM of current ham software. Price discounts on several licensed software packages are included.

The RIGblaster is in a 1"X5"X3" dark gray aluminum case with protective feet. A mic. jack, mini toggle switches (auto/vox and channel selection) and digital audio and power LED's are on the front. The back has mini jacks for audio in and out, RJ45 rig cable jack, 12 volt socket, the level adjustment control, and a standard DB25F serial connection.

Plug it in, load the software, and enjoy operating the new way.

Date: Fri, 04 Feb 2000 22:17:23 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [62189] RE: New Thread: Marking Wall Warts
Message-ID: <389B9643.D442F9F7@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try those little plastic tags tht are used to close plastic bread bags.
They have a big enough surface to mark and they just clip on. I use then
to mark wallwart plugs. antenna lines, mike and key lines. My shack is
full of them.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 4 Feb 2000 22:10:11 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-1@Lehigh.edu>
Subject: [62190] OP: PSK31 freq
Message-ID: <006501bf6f8e\$e6f33180\$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm seeing a bit of PSK31 using my DSW40 as the receiver at 7071

Richard, WA4NWW

Date: Fri, 4 Feb 2000 23:27:12 EST

From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [62191] PAR FOR THE COURSE (QRP)
Message-ID: <ba.13dcb54.25cd00a0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was looking for a way to transport my 5ft pvc antenna sections (6- one inch), two SLVs and rig, tuner and battery, etc. I stumbled over it rummaging thru the garage. GOLF BAG. Man does it work slick. (Now if I had one of those golf carts...hmmm). Instead of teeing off I will be keying off (smile). I bet the station will really *putt out* now. Will this qualify as a *club station*? FORE! ALAN KB7MBI

Date: Fri, 04 Feb 2000 21:44:26 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [62192] FOC
Message-ID: <389BAAAA.86475858@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings again,

So when does this FOC test end? Can anyone contact them for QSOs?
Sure would be nice to hear some VT/DE/NH folks on 160m!

tnx es 72 - john - n0hj

Date: Fri, 4 Feb 2000 21:27:46 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [62193] Re: extreme QRPP
Message-ID: <01bf6f99\$bc30fdf0\$40d3fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hal

Many of us use the WM-2 QRP wattmeter, as it is the most affordable thing around with decent accuracy. Just how accurate it is, I'm not sure, but if most folks doing milliwatting are using it, they are at least competing on a level playing field.

It's always been an open question as to what is the most accurate piece of test equipment the average ham may have. Probably something like a 100kHz calibrator that can be set against WWV would be good. Also, a new DMM would probably be reasonably accurate, certainly for ham work.

I don't think we will ever be able to get even close to absolute accuracy, so the question becomes rather, how accurate must a measurement be to be acceptable?

This takes me back to using what we have that is widely accepted as adequate, in this case the WM-2 until something better comes along at a competitive price.

73, Bob N6WG

Date: Sat, 05 Feb 2000 01:14:00 -0500
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [62194] FYBO QRPP 20m & 40m
Message-ID: <389BBFA7.878FF030@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As usual, midnite oil illuminates the prep for FYBO. With Dave Bensons help, got the DSW-20 throttled back to just under 900mw, and got the SW40+ adjusted to just about 950mw into dummy loads, using a 465B scope. I'll be reporting "R 9 W" for "point nine watts" so PLEASE listen for FYBO QRPP !!

The forecast is for hi 20's, so the mult. will be good. We've got about 6" snow on the ground so set-up is gonna be a challenge. Will be lofting a 20m EDZ per W4RNL recipie... and in trees at about 45' high it should work wonders on both 20 and 40m. It'll be left up for Spartan Sprint... if I thaw out in time for it.

Attire will include new Carhart "monkey-suit", designer long johns, and Sorrel boots w/liners. Got a half-gallon Thermos for Moca-Java and a box of Oreos... am I missing anything? YES!!!!... a mob of QRP-ers to fill

the log!

72

-s-

AA1MY

Date: Sat, 5 Feb 2000 01:19:58 EST
From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [62195] Need some help - Shortened dipole elements formula ?
Message-ID: <9e.ba4b08.25cd1b0e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Heya folks,
A long time back I heard of something called a 3/8ths wave dipole vice half wave...also recall seeing a formula to figure the wire lengths but can't remember it ! Does anyone remember that formula ?
Many thanks
Greg WB9MII
QRP Arci 9719
Fists 3347

Date: Fri, 4 Feb 2000 23:29:12 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu
Subject: [62196] Re: FOC
Message-ID: <Pine.SUN.4.10.10002042328280.2458-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

FOC = Fraternal Order of CW

72, Paul NA5N

Date: Sat, 5 Feb 2000 01:50:09 -0800
From: "Tom Scott" <tscott@eni.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Cc: "'Bob Dyer - Wilderness Radio'" <qrpbob@datatamers.com>
Subject: [62197] Long! Sierra, low signal from buffer/driver circuits...
Message-ID: <000201bf6fbe\$f0346c20\$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Sierra Folk,

I apologize in advance for the length of this post, but after beating our heads against a wall trying to get any transmit out of my Sierra with either a 40m or 30m module and having no success, I thought I might detail what we've tried and see if anyone here has any productive suggestions. At this point I've spent several weeks of all my available evenings both at home and on the road.

The first clue that something was wrong was when I noticed right away during initial alignment that I wasn't seeing enough current drain during transmit. I am seeing about 40 mA during receive (with KC-2), and 97 mA current draw during keydown. At the base of Q7, getting about 17 mV p/p with the RF probe, or what looks like 200 mV p/p with a scope, no where near the expected 680 mV.

I've now built both the 30m and 40m modules and both exhibit the same problem almost exactly, suggesting the problem is on the main board.

Attempts at probing with a capacitive finger and wiggling things have not yielded any fruit. Nothing that I've touched has affected the output.

I realize that many folks have seen lots of inductor lead soldering problems, but I don't think that's where my problem is. After I finish winding the toroids, I carefully scrape off ALL of the varnish for one fourth of the last winding on each end and a good quarter inch more to go well through the board. I use a stereo magnifying hood for all this work since my 46 year old eyes won't focus close enough for any of this kit building work anymore without it. Then I pre-tin the completely bare wire. Finally I solder the leads into the board. I just don't see how that technique can fail to make a perfect connection. Using a 5.5 digit ohm meter I have measured through the toroids on the module to confirm continuity. I get reasonable sounding (around 40 milliohms) similar resistances through L3 and L4, and about double the value through the pair, further confirming that there is no poor solder connection to them.

I went back and re-checked these settings from the beginning.

1. VFO Freq at full engagement (dial set to 150) 2.93500x MHz (C52 at about 55% engaged, C53 = 200 pf)
2. VFO at zero dial setting 3.083xxx MHz
3. PMO osc freq at 15.0000x MHz, very steady
4. PMO level at Q2-S peaking easily to 1.2 Vac p/p with a +1.85 Vdc offset on my scope, reading 576 mVdc with the RF probe (per Wayne's design except I used a 1N5711 Schotky instead of the germanium 1N34). The PMO frequency (with 40m module) is the correct sum of VFO frequency plus 15 MHz, right on the money,
5. U8-1: 400 mV pk/pk with a +1.44v DC offset on keying with the scope, and about 215 mVdc with the RF probe, clean near-sine wave.
6. U8-6: 300 mV p/p with a +8 Vdc offset with the scope, 126 mVdc with the RF probe (after ~20s settling time), when keyed. Frequency adjusted to 4.9150 MHz with counter and homemade FET probe (100 pf into a 2N4416, 10Mohms to GND, followed by a 2N5179 all with appropriate biasing).
7. U8-7: 200 mV p/p with a +7.3 Vdc offset with the scope, 122 mVdc with the RF probe (after ~20s settling time), when keyed. A kind of lazy sawtooth wave, frequency counter to having difficulty counting accurately (slightly higher apparent frequency, 2.5 digits more jitter on the counter).
8. U8-4: Nice RF modulated waveform about 800 mV p/p on the scope, about 500 mVdc with RF probe (after ~20s settling time)
9. J5-16: An analog of the modulated signal on U8-4, but 1/4 the amplitude, 200 mV p/p with scope, 29 mV with RF probe. Frequency counter picks out 12.45MHz from the modulated signal. All with keydown.
10. J5-13: almost no signal, maybe 40 mV p/p sine wave with the scope, 0.5 mV with the RF probe. Frequency counter showing 7.85 MHz but so little signal, difficult to say its really counting it, pretty unstable past the MHz digit.
11. Q7-B (measured at T2-3&4): about 300 mV p/p sine wave with the scope, 70 mVdc with RF probe, on keydown.
12. Next, I took the 40m module out. I injected a 200 mV signal through a 10:1 scope probe (20 mV at the module), and by sweeping the constant amplitude signal generator, found one peak at about 7.5 MHz and a stronger peak at 8.1 MHz. Re-peaking C33 and C36 to get the strongest peak out at 7.050 MHz with this setup, I can get what looks like better than 6dB gain through the bandpass filter (almost 6:1 voltage gain). What is actually happening I guess is that the input gets loaded down as it gets properly coupled with the output, but you see a much larger output than input, giving the appearance of gain when you look at the input and output at the same time.
13. Putting the module back in, I get less than half the signal out that I was getting before. ~13 mVdc with the RF probe as opposed to 29 mVdc. It still looks like almost 200 mV p/p with the scope, maybe 180 mVdc, but with different shaped modulation. The frequency counter thinks it sees about 6.5 MHz at J5-13.
14. I have pulled Q5 to determine if it was pulling the signal down, but got no change in the signal that would drive its base. Swapped it with a similar 2N5486 which I had in the parts bin just to see if it would make a

difference, but the same results. The J310 tests very good on an old Heathkit transistor and FET checker.

15. I have measured the value of R11 in circuit and confirmed that it is about 5.1k.

16. I have measured R37 and confirmed about 220 ohms.

17. I have checked J5 for shorts both visually and with an ohm meter.

18. I have removed L11 to check Q5-S for a short to ground, and confirmed its inductance.

19. I get peaking of the output from adjustments to C33 and C36, confirming that they are at least functioning, I just can't peak it with enough signal to turn on either Q6 or Q7.

20. I injected a 300 mv 7 MHz signal from a signal generator into J5-16 and could still not get enough output to turn on the driver or PA. The keying line looks fine, solid drive.

I'm beginning to think there might be a problem with U8, but I confess this is a bit beyond me. My thinking goes like this:

1. If I have good strong signals at the correct frequency going into the transmit mixer both from the IF oscillator and from the PMO,

2. And if I get a strong modulated signal at the output on pin 4,

3. And then if I pass that through a bandpass filter that is tested and known to be tuned to 7 MHz

4. If the result is that the output of the bandpass filter is almost no signal

5. Does it mean that the mixer somehow isn't producing any appreciable 7 MHz spectrum in the mix? A spectrum analyzer would be very handy about now.

I have to say that troubleshooting this problem has helped me learn quite a lot, but it is beginning to get discouraging.

I can swap out Q6, but it doesn't seem promising, hate to muck with the board without good evidence.

Can't think of anything else to add at this point.

Any suggestions or advice would be most welcome.

72

- Tom

?Tom Scott - Wyle Electronics - KD7DMH
10300 SW Nimbus Ave #PB, Portland, OR 97223
503-603-1931 - Tel 503-684-6620 - Fax
503-703-2032 - Cell

-----Original Message-----

From: Wayne Burdick [mailto:n6kr@elecraft.com]
Sent: Tuesday, January 25, 2000 1:00 PM
To: tscott@eni.net
Cc: qrpbob@datatamers.com
Subject: Re: Sierra, low signal from buffer/driver circuits...

Hi Tom,

>1. U8-1 PMO input to the TX mixer about 2.9 V p/p AC with a 1.4V DC offset
>on key down.

This is WAY too high. I don't know why it would be so high. It should be more like 100-200 mV p-p. Perhaps the PMO BPF is tuned to the wrong frequency.

>2. U8-6, 500 mV p/p Sine wave, but IF Oscillator not on frequency, cannot
>seem to pull to 4.915 MHz. C38 seems to peak the level more than adjust the
>frequency. My Emmco 2800 frequency counter can't count this signal for some
>reason even though it will usually handle signals as low as 5mV. On my
scope
>the frequency looks like 3.33 MHz, but maybe my scope probe is de-tuning
it.
>I may try a different probe on the counter to see if I can count this
>better.

This is hard to measure at pin 6. Try pin 7, which is buffered.

>3. U8-4 1.1 V p/p
>4. J5-16 325 mV p/p
>5. Q5-gate, 75mV p/p signal that looks like it has some RF on it. Unkeyed
>there is about 70 mV noise, but it doesn't show the RF modulation that it
>picks up when keyed.
>6. Q6-base, 70 mV p/p

All the above values are low, probably because the TX BPF or PMO BPF is tuned to the wrong frequency.

Are your results the same on more than one band?

>I can't figure out where the nice signal at U8-4 is getting stepped on!?
>It's a nice modulated RF signal coming into C31 and then almost in the
noise
>on the other side of C31. I tried paralleling an 18 pF NP0 cap I had on the

>bench across C31, but that made little or no difference.

Usually problems like this end up being non-stripped toroid leads, even for me, and I've wound several thousand!

>I was pretty sure I had the transmit mixer sideband filter peaked fine. But
>just in case the module was the problem, I decided to test it with a signal
>generator and a scope. I took the band module out and hooked up a Tek 191
>signal generator with about 7 MHz 30 mV p/p signal across the card fingers
>for J5-16 and a gnd, and then looked with the scope at J5-13 and gnd. The
>signal level actually looked to have picked up some gain and the trimmers
>peaked very easily. Putting the module back in, I discovered no improvement
>in drive signal at Q5 or Q6. I then re-checked the peaking on C33 and C36
>and found it to still be very good.

But is the PMO BPF also working? You could use the same signal injection technique.

Let us know if this gets you anywhere!

73,
Wayne
N6KR

Date: Fri, 04 Feb 2000 22:06:31 +0000
From: Stewart Bryant <stewart.bryant@virgin.net>
To: wd3p@juno.com, qrp-1@Lehigh.edu
Subject: [62198] Re: extreme QRPP
Message-ID: <389B4D67.6DB0A98F@virgin.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

G3GRO and myself published a suitable design in RadCom
Jan/Feb this year.

It uses a small bulb as the sense element in a bridge. Will read
true RMS, good to VHF+, will go down well below 1mW,
power reading displayed directly on a DVM module.

It only requires a normal shack DVM for calibration.

Stewart G3YSX

Larry Cahoon wrote:

```
> On Fri, 4 Feb 2000 08:26:05 -0600 "Deitz, Harold L."
> <hdeitz@ms.rose.cc.ok.us> writes:
>
> >I will try to say this as discretely as possible. I am just asking
> >and not
> >accusing so don't anyone take this wrong, please.
>
> Hal
>
> No offense taken. I have never seen an "official" method out there for
> measuring power.
>
> I don't know what others are doing but I can tell you my system at this
> point. As I don't have the fancy scope and the like but rather rely on
> the WM-2. That does have a scale set to cover 0-100 mWatts. The scale is
> not linear so 5 mWatts is rather easy to read and it is not even to much
> trouble to interpolate in the 0-5 mWatt range for a conservative
> statement of power.
>
> Second. I run the Wilderness Sierra at 500mWatts. That is as low as the
> manual suggests you go. That is set per the WM-2. The output is fed
> through a Ten-Tec 290 step attenuator. That has six setting. They are
> marked for 20 mWatts up to 5 Watts. But with only 500 mWatts in the range
> drops to 2 mWatts to 500 mWatts. Now I can tell you it's settings and the
> reading on the WM-2 match very well over the six steps.
>
> Third - I settled on using the output into a dummy load to measure the
> power level. So all measurements are done with a fixed 50 ohm load. That
> way there is no issue of the quality or the antenna, is it matched
> properly, what is the SWR and the like. So I don't give myself any break
> for a poor antenna, tuner losses or line losses to the antenna.
>
> As a last point I'd add that no matter what instrument you use to get a
> number for the power there is always the problem of the calibration of
> that piece of equipment. So you never escape that trap. A few have access
> to good, high quality stuff that has been professionally calibrated, but
> that is not the majority of the guys out there.
>
> Hope this help the discussion,
```

>
> 73 de Larry.....WD3P in MD
>
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Fri, 4 Feb 2000 05:20:03 -0000
From: "Walt Amos" <k8cv@netzero.net>
To: <aa5tb@swbell.net>
Cc: "Qrp-1 Posts" <qrp-1@lehigh.edu>
Subject: [62199] OT: IMPROPER POST: ALL OF THE ABOVE: Re: Free internet access problems
Message-ID: <000801bf6fc8\$d5d34b80\$85891b26@waltk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Regarding BLUELIGHT

Sure enough!! Didn't you read that LONG LAWYER thing before you installed it, why do you think they put that %@## there!! I said NO to it and still had the stupid YAHOO HOOLIGANS running around ! :-(

They can sell any and all information the get from you !! YES THEY CAN because the disclaimer said they would!

Walt k8cv

----- Original Message -----

From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 04, 2000 03:03
Subject: Re: Free internet access problems

> Don,
>
> I recently installed "Bluelight.com" and everything worked fine. It used my
> existing Yahoo mail account and it recognized it just fine. My SWBell

> account still works too. I can switch between the two okay. But I've only
> been using it for a couple of days. By the way, I simply uninstalled the
> Yahoo Messenger software to get rid of that nuisance.
>
> Could you give a little more information on what you meant when you said
> "THEN, I discovered that something had bound file and
> printer sharing to the TCP/IC protocol."? I assume that this means
someone
> can remotely access your files and printer via the Internet connection?
> Yikes!
>
> Thanks.
>
> 73,
> Steve Yates - AA5TB
> Fort Worth, TX - EM12gs
> <http://home.swbell.net/aa5tb>
>
>
>

NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Sat, 5 Feb 2000 06:13:55 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Roger Hightower <n7kt@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62200] Re: BRAIN DEAD, NEED HELP
Message-ID: <Pine.3.89.10002050620.C21424-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 4 Feb 2000, Roger Hightower wrote:

>
> FOC = First Class Operators Club.
>
> By invitation only. As I recall, several members of the List belong to
> that thanks to an unnamed benefactor last year.
>
Are you thinking of the "A-1 Operators Club". Yes, the FOC is by
invitation only but, as I understand it, the club has a fixed membership
size which further limits availability.

Me, I'm a life member of SOC. :-)

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Sat, 5 Feb 2000 04:30:54 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <normany@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62201] Re: Dymo Label Makers
Message-ID: <003301bf6fcc\$78270d60\$65de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just bought a real dymo label maker from wally world the other day it is white and has a different set up from the old red ones and seems to work real well and only aboyt 6 bucks 72 Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: "Norman Young" <normany@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 04, 2000 8:11 PM
Subject: RE: Dymo Label Makers

> A while back, I built the VE3DNL marker generator, and I wanted to use my
> old Dymo label maker to label it. When I found it, it was under a ton of
> stuff in my daughter's desk, and it was broken, so I headed down to the
> local drug store to get a replacement.

>

> The new Dymo had been redesigned to be more compact, but I never could get
> it to work right. Thinking it was possibly a bad unit, I exchanged it for
> another one, but still no luck. Sometimes the tape would not advance
> properly, and I the second letter would overstrike the first. I wasted
> almost a whole roll of tape making three labels. I'm usually pretty good
at

> following directions, but I may have been doing something wrong, since the
> directions consisted of several pictures on the back of the blister pack.

>
> Sure wish I could find a real Dymo. The one I had made great labels for
> years, but I can't say the same for the new and improved version...
>
> 72,
> Norman
>
> >A second vote for the Dymo Tape labeler. A light spray of Krylon clear
> >sealer will keep the tape in place.
> >
> >gr
> >
> >
> >--
> >GLEN REID
> >K5FX/M BGF>
>
> *****
> Norman Young <><
> KA4PUV
> Zebulon, NC
> *****
>

Date: Sat, 05 Feb 2000 05:30:17 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [62202] ANT: 160 M QRP Ant. Switching
Message-ID: <3.0.2.32.20000205053017.007a6320@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

For 160 operation, I need to switch antennas between xmit and receive
(shielded loop).

I have tuner Ant. 1 or 2 selection, toggle switches, relays, and an old 12
VDC BNC coaxial relay. All slower than I'd like.

Any ideas for more elegant antenna switching circuits?

I've looked through all my references which include PIN diodes for high
power and all that. (Handbooks, DeMaw, Weiss, etc.)

Any suggestions greatly appreciated.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 5 Feb 2000 03:30:13 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: nkennedy@tcainternet.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [62203] Re: PSK31 frequencies
Message-ID: <20000205113013.556.qmail@web308.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Is there a web page or other publication to start
learning about PSK 31?

73

Jim kt4a

--- Nick Kennedy <nkennedy@tcainternet.com> wrote:
> PSK-31 is pretty cool alright. We had a discussion
> about
> frequencies a while back. On 40, the "official"
> frequency
> is European, cause they have a limited frequency
> allocation
> on 40 (as I was politely informed in our previous
> thread).
> For US domestic QSOs, I think it's up in the digital
> region.
>
> 72,
>
> Nick, WA5BDU
>
>
> ----- Original Message -----
> From: "Tom M" <tjmc@erols.com>
> > I know if the frequencies on 40 and 20, but
> are
> there other frequencies
> >
> > To my knowledge...as per the "official" PSK31
> page;
> > 1838.150

> > 3580 "
> > 7035 "
> > 10140 "
> > 14070 "
> > 18100 "
> > 21080 "
> > 24920 "
> > 28120 "
> >
>
>
>

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<http://im.yahoo.com>

Date: Sat, 5 Feb 2000 12:54:41 +0100
From: =?iso-8859-1?Q?St=E9phane_Collas?= <scollas@club-confair.com>
To: <jaevans@codenet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62204] Re: FOC
Message-ID: <000d01bf6fcf\$ca0371c0\$0900000c0@magic.fr>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Dr John,

FOC means First Operator Class

This contest you will hear all along the week-end is the Marathon.

Contacts are only between members.

You can find all the informations at <http://members.aol.com/focuk/>

73's de Steph, F5NZY.

----- Message d'origine -----
De : John A. Evans - N0HJ <jaevans@codenet.net>
 : Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Envoy : samedi 5 février 2000 05:44
Objet : FOC

> Greetings again,
>
> So when does this FOC test end? Can anyone contact them for QSOs?
> Sure would be nice to hear some VT/DE/NH folks on 160m!
>
> tn timer 72 - john - n0hj
>
>
>

Date: Sat, 5 Feb 2000 06:57:44 -0500
From: "Pastor-kc1di" <ELBC@PIVOT.NET>
To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62205] Re: PSK31 frequencies
Message-ID: <009101bf6fd0\$36f6fc20\$ca7961ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 04, 2000 9:03 PM
Subject: Re: PSK31 frequencies

> PSK-31 is pretty cool alright. We had a discussion about
> frequencies a while back. On 40, the "official" frequency
> is European, cause they have a limited frequency allocation
> on 40 (as I was politely informed in our previous thread).
> For US domestic QSOs, I think it's up in the digital region.

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> 72,
>
> Nick, WA5BDU
>
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> ----- Original Message -----
> From: "Tom M" <tjmc@erols.com>
> > I know if the frequencies on 40 and 20, but are
> there other frequencies
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> > To my knowledge...as per the "official" PSK31 page;
> > 1838.150
> > 3580 "
> > 7035 "
> > 10140 "
> > 14070 "
> > 18100 "
> > 21080 "
> > 24920 "
> > 28120 "
> >
>

Also Check 7070 there is more and more psk31 there in the evening.

Date: Sat, 05 Feb 2000 06:28:52 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: jimdurkin@yahoo.com, qrp-1@Lehigh.EDU
Subject: [62206] Re: PSK31 frequencies
Message-ID: <3.0.2.32.20000205062852.007d0700@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Jim,

Here's one...

<http://aintel.bi.ehu.es/psk31.html>

>Is there a web page or other publication to start
>learning about PSK 31?

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 5 Feb 2000 08:07:19 -0500
From: "Pastor-kc1di" <ELBC@PIVOT.NET>
To: <jimdurkin@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62207] Re: PSK31 frequencies
Message-ID: <001c01bf6fd9\$efe1c400\$551299d0@elbc>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Jim Durkin" <jimdurkin@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, February 05, 2000 6:30 AM
Subject: Re: PSK31 frequencies

> Is there a web page or other publication to start
> learning about PSK 31?
> 73

Here is a Link page that will take you to many Psk31 pages.
<http://www.megalink.net/~n1rct/psk/pskin.html>

73 Dave

Date: Sat, 5 Feb 2000 08:42:11 -0500
From: David M Kopacki <kf2ew@juno.com>
To: qrp-1@lehigh.edu
Subject: [62208] FYB0 - 20'
Message-ID: <20000205.084211.-140169.0.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Twenty minutes to go...last minute changes. We'll now be operating the Icom 735 with the QRP mod. Running 900 mW and sending "R9W", and using my callsign, KF2EW.

73,
Mike & Ashley, KF2EW & KC2EEQ

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 5 Feb 2000 09:46:20 -0800
From: "Richard Williams" <richard.a.williams@attcanada.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62209] CW FILTER HELP FOR KENWOOD 570 PLEASE
Message-ID: <004d01bf7000\$ea3647c0\$d8cec28e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I bought a 500 hz cw filter for my 570 and just installed it. How do I switch it in and out of line? What difference should there be between the filter and the 500 hz DSP position? I programmed the front panel pf key, but it seems to be reversed ie. you press it and it seems to go to a 500 hz position while the button continues to be pressed. Any info on this would be appreciated. I don't have 3 hours to read the manual. Thanks.

Rick, VE9HF

Date: Sat, 5 Feb 2000 08:46:23 -0500
From: w2xn@juno.com
To: qrp-1@lehigh.edu
Subject: [62210] Topographical Maps
Message-ID: <20000205.084627.-800971.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Juno just sent me an email that included a new site that may be of interest to you all.

If you are looking for a "high spot" to put antennae for field day, or some outing, try going to "topozone". It is a mapping location on the internet that gives topographical data in addition to streets.

<http://www.topozone.com/>

Fred w2xn
Lakeland, FL

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Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 05 Feb 2000 07:04:40 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: Bob Patten <n4bp@bc.seflin.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [62211] Re: BRAIN DEAD, NEED HELP
Message-ID: <389C2DF8.25414FC3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The FOC _does_ have a fixed membership, and I believe it was started by a ham in G-Land. When I was active in the Central Arizona DX Association, several there were members of FOC. Maybe someone on the List who is a member will speak up.

72...Roger

Date: Sat, 05 Feb 2000 07:08:46 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-L@lehigh.edu
Subject: [62212] FYBO
Message-ID: <389C2EEE.3FEAB3E0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's just now 1400Z and it's started. GL to those who are getting the Q's.

I hope to be on this afternoon....nice and cool here in Pinetop, AZ, but yesterday's surgery on my dog was tough. Have to head back down home so she'll be more comfortable.

Hope to catch many of you from there. There goes the temp and 2x field mult, :-)

72...Roger, N7KT

Date: Sat, 05 Feb 2000 08:05:43 -0600
From: Marty Watt <N5NW@midsouth.rr.com>
To: qrp-1@lehigh.edu
Subject: [62213] Re: BRAIN DEAD, NEED HELP
Message-ID: <ucbo9ssp7tqi80utmrov0n6e20orbafmcbv@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sat, 05 Feb 2000 07:04:40 -0700, Roger Hightower <n7kt@earthlink.net> wrote:

>The FOC _does_ have a fixed membership, and I believe it was started by
>a ham in G-Land. When I was active in the Central Arizona DX
>Association, several there were members of FOC. Maybe someone on the
>List who is a member will speak up.

=46rom the FOC webpage:

=46OC is a British based CW club, originally founded in 1938. The club =
has a
limited membership of 500 world-wide. The club strives for excellence in
operating, combined with a social way of life, both on the air and =
together
with family and members at events throughout the world.=20

To become a member, you must be sponsored by five existing members, from =
at
least two continents, who have been in contact with you during the past =
12
months. At least one sponsor must reside in Great Britain.=20

You'll need to be able to do about 25wpm as a minimum. This doesn't just =
mean
contest exchange style! You need to be able and willing to rag-chew at a
decent speed without your CW going to pot after the first couple of =
minutes.=20

You'll need to be active. Hang around 025 and make yourself known. If the=
time
is right, then you'll soon find that members start noticing you and =
before
long the sponsorships will start. Normally a member will tell you that he=
is
intending to sponsor you and most sponsors will help you to understand =
the
process and keep you updated with how you are getting on.=20

Hope this information is helpful.

--

Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Sat, 5 Feb 2000 10:17:06 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <WB9MII@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62214] Re: Need some help - Shortened dipole elements formula ?
Message-ID: <003a01bf6fec\$13a971a0\$b62b3604@dbw-11-main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greg,
I haven't seen a formula for a $3/8$ wave dipole, but if I wanted to cut one,
I would start with $3/4$ of the traditional half wave dipole formula
($468/\text{fMHz}$). Trim from there.
73,
Don Wilhelm -Chapel Hill, NC
W3FPR QRP-L # 485 K2 SN 0020

-----Original Message-----
From: WB9MII@aol.com <WB9MII@aol.com>

>Heya folks,
>A long time back I heard of something called a $3/8$ ths wave dipole vice half
>wave...also recall seeing a formula to figure the wire lengths but can't
>remember it ! Does anyone remember that formula ?
>Many thanks
>Greg WB9MII
>

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Date: Sat, 5 Feb 2000 10:37:36 EST
From: Kw4cz@aol.com
To: qrp-1@lehigh.edu
Subject: [62215] e-mail test
Message-ID: <33.e6bf7d.25cd9dc0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Test

Date: Sat, 5 Feb 2000 10:48:05 -0500 (EST)
From: fred w2xn <w2xn@juno.com>
To: N5NW@midsouth.rr.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [62216] Re: BRAIN DEAD, NEED HELP
Message-ID: <386906893.949765685895.JavaMail.root@web26.pub01>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

My brother-in-law, who is now an SK, who held the call sign I now have (I got it as a vanity call) was a member of the first class operator's club. Does this mean that since my call sign was already inducted, that I, a new owner, will not be able to be inducted into the group if I qualified ???

fred w2xn
Lakeland, FL

-----Original Message-----

From: Marty Watt <N5NW@midsouth.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: February 5, 2000 2:05:43 PM GMT
Subject: Re: BRAIN DEAD, NEED HELP

On Sat, 05 Feb 2000 07:04:40 -0700, Roger Hightower <n7kt@earthlink.net> wrote:

>The FOC _does_ have a fixed membership, and I believe it was started by
>a ham in G-Land. When I was active in the Central Arizona DX
>Association, several there were members of FOC. Maybe someone on the
>List who is a member will speak up.

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with family and members at events throughout the world.

To become a member, you must be sponsored by five existing members, from at least two continents, who have been in contact with you during the past 12 months. At least one sponsor must reside in Great Britain.

You'll need to be able to do about 25wpm as a minimum. This doesn't just mean contest exchange style! You need to be able and willing to rag-chew at a decent speed without your CW going to pot after the first couple of minutes.

You'll need to be active. Hang around 025 and make yourself known. If the time is right, then you'll soon find that members start noticing you and before long the sponsorships will start. Normally a member will tell you that he is intending to sponsor you and most sponsors will help you to understand the process and keep you updated with how you are getting on.

Hope this information is helpful.

--

Marty, N5NW

Lakeland (Memphis), Tennessee
N5NW@midsouth.rr.com

<http://marty.w.tripod.com/>

Date: Sat, 05 Feb 2000 07:51:01 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [62217] WTB: SST, any condition
Message-ID: <20000205155101.3832.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wanted: Wilderness SST in any condition. Working/non-working, damaged, incomplete, modified. Please let me know what you have.

Alan, N3BJ
Bent Mountain, VA

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Date: Sat, 05 Feb 2000 11:10:33 -0500
From: Gordon <gordon@znet.groupz.net>
To: qrp-1@Lehigh.EDU

Subject: [62218] thanks
Message-ID: <4.2.0.58.20000205110905.00964bc0@mail.groupz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

thanks to all who answered my request for help on the resistors, hope some day I can help someone once again TNX

73 Gordon

Date: Sat, 05 Feb 2000 10:30:54 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-1@lehigh.edu
Subject: [62219] Labelling projects, Dymo no P-touch yes!
Message-ID: <3.0.2.32.20000205103054.006acc60@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Since we are talking about labelling our QRP boxes, if you don't mind spending considerably more and getting considerably nicer results, go to an office supplies store like Office Depot and check out the Brother P-Touch labellers. Way cool! They are portable, run on batteries, have a little thermal print head inside that spits out labels that are laminated, smooth, come in different colors (such as black on white, white on black, black on clear, etc) and you can change the print size and style and on some models even the font! They have a real keyboard, no wheels to turn! I stopped using my Dymo about 8 years ago.

72, Paul
not FOC but FISTS 2153

Paul Goemans WA9PWP
1508 Sundt Lane Stoughton, Wi 53589
wa9pwp@arrl.net

Date: Sat, 05 Feb 2000 11:35:56 -0500
From: david fouchey <dafouchey@home.com>
To: jgoemans@facstaff.wisc.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [62220] Re: Labelling projects, Dymo no P-touch yes!
Message-ID: <389C516C.7D0F586F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And the P-Touch Kitchen labeler is small, and not much bigger than a Dymo Label Maker. Picked one up from Target Store for a modest price. Great little gadget.

Dave
WA4EMR/8

Goemans wrote:

>
> Hi gang,
> Since we are talking about labelling our QRP boxes, if you don't mind
> spending considerably more and getting considerably nicer results, go to an
> office supplies store like Office Depot and check out the Brother
> P-Touch labellers. Way cool! They are portable, run on batteries, have a
> little thermal print head inside that spits out labels that are laminated,
> smooth, come in different colors (such as black on white, white on black,
> black on clear, etc) and you can change the print size and style and on
> some models even the font! They have a real keyboard, no wheels to turn! I
> stopped using my Dymo about 8 years ago.
>
> 72, Paul
> not FOC but FISTS 2153
>
> Paul Goemans WA9PWP
> 1508 Sundt Lane Stoughton, Wi 53589
> wa9pwp@arrl.net

Date: Sat, 5 Feb 2000 09:45:44 -0700
From: "Rod, N0RC" <n0rc@yahoo.com>
To: <jgoemans@facstaff.wisc.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [62221] Re: Labelling projects, Dymo no P-touch yes!
Message-ID: <054201bf6ff8\$7a762980\$a9101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll second the P-touch recommendation. I have one and love it. Does a nice job getting a project from build-table to op-table quickly.

I also use the it to label all my other gear, HT's, portable ant's, battery packs...anything used/shared with others while doing public service/ARES work.

Also, I think I saw a P-touch label printer that interfaces to you PC to make custom labels. I'll have to surf around and see if I can find a web site with more info on that item.

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: Goemans <jgoemans@facstaff.wisc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, February 05, 2000 9:30 AM
Subject: Labelling projects, Dymo no P-touch yes!

> Hi gang,

...

> office supplies store like Office Depot and check out the Brother
> P-Touch labellers. Way cool! They are portable, run on batteries,
have a

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Date: Sat, 5 Feb 2000 11:53:05 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [62222] A long-haul vertical antenna test
Message-ID: <000001bf6ff9\$7a180e80\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all:

Last night I sat down at my rig here in southern Maine to run a 75 meter sked with Hal, WB9VMY. He's located near Oklahoma City. After reading the QRP-L thread's comments on verticals and gain, F/B ratios, etc. Hal very kindly offered to measure the F/B ratio of my 80 meter phased verticals using his lab test gear.

You can imagine my surprise when the phone rang about two minutes before our sked. Hal had called long distance from his site, and was ready to make tests. What a blast. I thought we were going to do this testing thing on the air in a 2-way QSO, never realizing that that would not be the best--or perhaps the most straightforward--way to do it for Hal.

In any case, it was fun to listen to my own signal in realtime--over the telephone!

Hal used an Anritsu Model ML-422B Selective Level Meter to make these instantaneous tests. If you've ever watched an oscilloscope display of an incoming signal, you know how quickly multipath selective fading occurs. On a scope you can see QSB that your ear would never, ever detect (and your AGC will smooth out). That QSB affected the results, and there was some SSB QRM, but I think the readings Hal got were meaningful.

On the first test, Hal measured my received CW signal at -77 dBm and at -93.8 dBm. The second test dished up F/B figures of -75 dBm and -92.2 dBm. The delta in the first test is about 16.8 dB. That of the second test is about 17.2 dB.

That seems to be in accord with what I've been able to see here in actual QSOs, and I'm delighted to see that much. The readings are very much in line with what distant stations report. Depending on conditions, it's usually two or three S units (assume an S unit is 6 dB).

On receive, this F/B ratio is excellent for reducing/removing QRM, and even static from storms that are off the back of the antenna.

Can I really expect more with a 2-element antenna?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Sat, 5 Feb 2000 12:00:08 EST
From: Wb8siw@aol.com
To: jgoemans@facstaff.wisc.edu, qrp-l@lehigh.edu
Subject: [62223] Re: Labelling projects, Dymo no P-touch yes!
Message-ID: <3b.ab0fbf.25cdb118@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Paul - I also purchased a "P-Touch" and think quite highly of it. I've used it for labeling controls, cables, patch bays, and similar devices at commercial broadcast and audio facilities. The labels are quite durable and very easy to read....not to mention professional in appearance. They're great for those "home brew" projects as well.

73, Jim WB8SIW

Date: Sat, 05 Feb 2000 12:00:21 -0500
From: david fouchey <dafouchey@home.com>
To: ai2q@ispchannel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62224] Re: A long-haul vertical antenna test
Message-ID: <389C5725.D1C6181D@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Do you have the details of your array posted anywhere Alex? Sounds like it would be a neat project to look at.

TNX
Dave
WA4EMR/8

AI2Q Alex wrote:

>
> Hello all:
>
> Last night I sat down at my rig here in southern Maine to run a 75 meter
> sked with Hal, WB9VMY. He's located near Oklahoma City. After reading the
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>
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>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Sat, 5 Feb 2000 12:02:57 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "'david fouchey'" <dafouchey@home.com>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [62225] RE: A long-haul vertical antenna test
Message-ID: <000201bf6ffa\$d9cc1140\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No, sorry Dave, nothing on the Web.

The antenna is nothing more than two quarter wave ground-mounted verticals, with about 3,000 feet of radials under them. They use an LC network to get the phase shift, and that's switched with two DC relays for E, W, or broadside. The relays are diode selected using a DPDT switch to reverse polarity of the DC.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: david fouchey [mailto:dafouchey@home.com]

Sent: Saturday, February 05, 2000 12:00 PM

To: ai2q@ispchannel.com

Cc: Low Power Amateur Radio Discussion

Subject: Re: A long-haul vertical antenna test

Do you have the details of your array posted anywhere Alex? Sounds like it would be a neat project to look at.

TNX

Dave

WA4EMR/8

AI2Q Alex wrote:

>

> Hello all:

>

> Last night I sat down at my rig here in southern Maine to run a 75 meter
> sked with Hal, WB9VMY. He's located near Oklahoma City. After reading the
> QRP-L thread's comments on verticals and gain, F/B ratios, etc. Hal very
> kindly offered to measure the F/B ratio of my 80 meter phased verticals
> using his lab test gear.

>

> You can imagine my surprise when the phone rang about two minutes before
our

> sked. Hal had called long distance from his site, and was ready to make
> tests. What a blast. I thought we were going to do this testing thing on
the

> air in a 2-way QSO, never realizing that that would not be the best--or
> perhaps the most straightforward--way to do it for Hal.

>

> In any case, it was fun to listen to my own signal in realtime--over the
> telephone!

>

> Hal used an Anritsu Model ML-422B Selective Level Meter to make these
> instantaneous tests. If you've ever watched an oscilloscope display of an
> incoming signal, you know how quickly multipath selective fading occurs.

On

> a scope you can see QSB that your ear would never, ever detect (and your
AGC

> will smooth out). That QSB affected the results, and there was some SSB
QRM,

> but I think the readings Hal got were meaningful.

>

> On the first test, Hal measured my received CW signal at -77 dBm and

> at -93.8 dBm. The second test dished up F/B figures of -75 dBm and -92.2
> dBm. The delta in the first test is about 16.8 dB. That of the second test
> is about 17.2 dB.
>
> That seems to be in accord with what I've been able to see here in actual
> QSOs, and I'm delighted to see that much. The readings are very much in
line
> with what distant stations report. Depending on conditions, it's usually
two
> or three S units (assume an S unit is 6 dB).
>
> On receive, this F/B ratio is excellent for reducing/removing QRM, and
even
> static from storms that are off the back of the antenna.
>
> Can I really expect more with a 2-element antenna?
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Sat, 5 Feb 2000 12:27:21 EST
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [62226] Re: Labelling projects, Dymo no P-touch yes!
Message-ID: <aa.ea52f4.25cdb779@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Also affirmative on the P-touch. Use it for all my homebuilt gear. Give it the Krylon Clear treatment also, to keep the labels from peeling off. Make sure that you thoroughly press the labels down to the surface with your thumb-nail or some other device (blunt plastic end of a Bic pen is my favorite) to smooth out all the microscopic bubbles before the Krylon.

Now is they had a font for dials and pots!

72

Howard Kraus, K2UD

Date: Sat, 5 Feb 2000 13:01:36 EST
From: Kw4cz@aol.com
To: qrp-l@lehigh.edu, tentec@contesting.com

Subject: [62227] Need reflector e-mail help please
Message-ID: <14.b3314f.25cdbf80@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

One's of High Patience,

Gordon Saunders kw4cz
Greensboro, NC

Gang

In the process of changing over my old e-mail address to a new address to reflect my new call sign. It appears that not all went well with the transistion of address switching. I *think* I did mamage to unsubscribe from all the reflectors that I follow.

Now, I think the only one that may be up and running for me now is the qrp-l reflector.

All my "test" posts to the other reflectors seem to vanished into the ether of far - far away. Have not received a post since the switch.

If anyone on this reflector can please send me a guiding hand back to the reflector world of the following :

antennas@qth.net Antenna reflector

cw@qth.net CW reflector

paperchaser@egroups.com Reflector for awards / paperchasing

tentec@contesting.com Ten Tec reflector

Many thanks in advance.... (Never will change call sign / e-mail address again) :-)

73,
gordon kw4cz

Date: Sat, 05 Feb 2000 13:25:29 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [62228] NC-20
Message-ID: <3.0.32.20000205132524.0072d9a4@kih.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Yahoo!!!

Another NC-20 up and running....

Bagged W1FN and NQ9RP on 20 meters with the new rig plus
homebrew paddles, tuner, and antenna!

Speaking of clubs,...ham radio often reminds me of High
School and all the clubs. I guess I'm in the OFC...Old
Fuzzard Club.

73 Pete NV4V

Date: Sat, 5 Feb 2000 13:34:04 -0500

From: "Paul Christensen" <paulc@mediaone.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [62229] NC-20 Trade

Message-ID: <014a01bf7007\$94afe2a0\$f5588118@se.mediaone.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Looking to trade my 95% completed Norcal 20 in the matching Hauff anodized
cabinet for one either a Red Hot 40, or SWL DSW-20 in an anodized case
(these models only please). My professionally assembled NC-20 is complete
except for the toroids and has the 10-turn pot installed. Thanks.

-Paul

Date: Sat, 05 Feb 2000 13:43:39 -0500

From: Jerry Flanders <jflanders2@home.com>

To: jgoemans@facstaff.wisc.edu

Cc: qrp-1@lehigh.edu

Subject: [62230] Re: Labelling projects, Dymo no P-touch yes!

Message-ID: <3.0.1.32.20000205134339.01235910@mail>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

An alternate way for a "pro" look(?)

Do the _entire_ front panel in paper on a laser printer from a graphics

program, including a nice logo - use any color paper you like. Cut a piece of clear plastic (1/16 inch plexiglas from hardware store) to fit over it. Drill/cut paper and plastic as appropriate. Make the cabinet the "hooded" type in which the top and sides extend out a bit from the front panel so that you cover the edges of the paper and plastic. Admire.

Jerry W4UK

At 10:30 AM 2/5/00 -0600, you wrote:

>Hi gang,

> Since we are talking about labelling our QRP boxes, if you don't mind
>spending considerably more and getting considerably nicer results, go to an
>office supplies store like Office Depot and check out the Brother
>P-Touch labellers. Way cool! They are portable, run on batteries, have a
>little thermal print head inside that spits out labels that are laminated,
>smooth, come in different colors (such as black on white, white on black,
>black on clear, etc) and you can change the print size and style and on
>some models even the font! They have a real keyboard, no wheels to turn! I
>stopped using my Dymo about 8 years ago.

>

> 72, Paul
> not FOC but FISTS 2153

>

>

>

>Paul Goemans WA9PWP

>1508 Sundt Lane Stoughton, Wi 53589

>wa9pwp@arrl.net

>

Date: Sat, 5 Feb 2000 14:26:21 EST

From: K1DXradio@aol.com

To: qrp-l@lehigh.edu

Subject: [62231] RE: WalMart goes QRO

Message-ID: <79.135cb6c.25cdd35d@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Caution! Wear asbestos gloves before transmitting (assuming 60% efficiency).
200W will warm your hands reall good on these cold winter days, yes? - 72 -
George

Date: Sat, 5 Feb 2000 11:27:09 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [62232] FYBO
Message-ID: <Pine.GS0.4.10.10002051123480.21941-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

It's 1924z as I write this.

I have made two contacts. Both on 20m. UT and NM. A hand full of other VERY WEAK sigs heard.

Checked 10m and 15m. Just very weak sigs.

I'll set up around 28060 and call CQ for awhile and see if anyone is hearing me.

I'm running the full 5w and basking in 65F+ weather.

But I wonder is I can get a multiplier for having to put up with that foul smell? Remember, it's under the shack floor where this skunk event is taking place! :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Sat, 05 Feb 2000 10:33:23 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [62233] Re: FYBO de AL7FS
Message-ID: <389C7B03.F840AFB9@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I will be getting on 10 meters in a short bit. Make sure the propagation
if fixed by the time I get there, Ron. :-)

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

Monte Stark wrote:s.

>
> I have made two contacts. Both on 20m. UT and NM. A hand
> full of other VERY WEAK sigs heard.
>
> Checked 10m and 15m. Just very weak sigs.
>
> I'll set up around 28060 and call CQ for awhile and see
> if anyone is hearing me.

Date: Sat, 05 Feb 2000 11:03:55 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [62234] FYB0: de AL7FS
Message-ID: <389C822B.6B96D5AD@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

2000Z only one beacon - Austin TX. No others. Hollow sounding today.
No signals on 28.060.

I think I will go pay bills for a while. <sigh>

Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

Date: Sat, 05 Feb 2000 12:11:33 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Cc: forsale-swap@qth.net

Subject: [62235] WTB: KK7B R2 receiver
Message-ID: <20000205201133.47955.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wanted: KK7B R2 receiver, built or unbuilt. Problem/incomplete units OK.
Would consider T2/mother board combo, also. Please let me know what you
have.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 5 Feb 2000 15:11:40 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [62236] wELL I Almost....
Message-ID: <20000205.151318.-193721.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

HIgh y'all

oh gloom... I is uup the creak withour my paddle... with my keyer in the
mud....

I almost made a psk31 contact... yes i did almost...k4xy answered me and
I've been searching for him ever since... I checked and unchecked afc and
net ... I wiggled the knobs all over the place and wwhen I found him he
was working an italian...some peoples children! I tell u man...

I also put together a four element quad for two meters and an't heard
nuttin from it... got it in the vertical polar region however I is using
about 25 foots of rg58u to the xmtr... oh man I telll u ... this is a
worse nightmnare than a bad date with aligator Sue... or getting a visit
from one of the Ritis brothers (especially Author)

Think I will go jump off the roof into the sneaux, maybe I can freeze
my miseries... oh man what a mess... where's a hungary gator when u wants
one....

Joel KE1LA
In Maine
in the miseries

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 5 Feb 2000 14:44:46 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [62237] F/B ratios
Message-ID: <0974781F4FC8D211A24600902727E806011B1E3A@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

All,

Alex almost fell off his chair when I called him last night. It was lots of fun, but the QSB was very quick and at times quit a bit. This made making the measurements a slight effort, but it all worked out.

Alex thinks I called him out of the goodness of my heart because he is a fellow ham and QRP'er. What he doesn't know is that I'm going to make him feed me some of that Maine lobster the next time I get in his neighborhood.

See ya', Hal

Date: Sat, 05 Feb 2000 13:54:18 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: klqrp <klqrp@vramp.net>, QRP-L <qrp-l@Lehigh.EDU>
Subject: [62238] Holiday Milliwatt Contest - Results!
Message-ID: <389C9C0A.3A4602E1@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

The Holiday Milliwatt contest is history. The first leg of the Triple Crown is over. The Triple Crown will be getting a new name soon to honor one of our great QRPers, but that is another story.

The Holiday Milliwatt contest was full of surprises this year. There were a lot of participants, but not too many logs submitted. I guess most people participated for the fun of it, and the competition was secondary.

Running the contest over a three day period gave us some interesting results. Propagation was not too good one of the days, and scores suffered. Some operators were only able to operate for one day, but they "hit" one of the good days, and made a competitive score with only one day of operation instead of two.

The winners:

Highest Score: Dan, N4ROA, 94,656. Dan also wins the prize for the neatest, most accurate log. :-) He ran from w01 to w5 (10mW to 500mW). Dans prizes include a Tee shirt from Mary, NA6E, and an OHR 30M kit from Chris, N3XRV. Congratulations, Dan, for a great job!

Second Place: John, KU4AF, 32,384. John wins a Tee shirt from Mary, NA6E, and a Digital Dial from the Knightlite QRP Association and Randy, WJ4P. John's score was enhanced by his many contacts with contest stations. His log had almost identical scores for each of the two days submitted. Congratulations, John!

Third Place: Joel, K1QM, 31,348. Joel wins a Tee shirt from Mary, NA6E, and a KnightSMiTe from the Knightlite QRP Association. Joel operated on four bands and had the second highest single day score. Joel also had to highest name multiplier with 5 "D"s. Congratulations, Joel!

Fourth Place: Ed, AB8DF, 27,968. Ed wins a Tee shirt from Mary, NA6E. Ed's score represented a good balance between the QSOs, SPC and Name multipliers. Congratulations, Ed!

Fifth Place: Dave, NF0R, 26,320. Dave also wins a Tee shirt from Mary, NA6E. Dave ran 1w and almost everyone worked him at least once. He completed more QSOs than anyone else! Congratulations, Dave!

Finally, in the Club competition, the winner was NQ5RP, 72,416. Operator was Jim, KJ5TF. NQ5RP wins a copy of "The Joy of QRP" by Ade Weiss from the Maryland Milliwatt Club and George, K3TKS.

Notice that in the Individual competition, second through fifth scores were pretty close. A few more QSO's could have changed the outcome considerably!

The next two legs of the Triple Crown will have their own stories. Right now, Dan has a commanding lead, but beyond that, the field is wide open.

There was some confusion about how to score the Name multiplier, so some of the scores above have been adjusted accordingly. The multiplier was for the largest number of names worked with identical first letters. Joel worked Dan, Don, Dave, Derek and Dick for a multiplier of 5.

Participants who submitted logs can email me for a spreadsheet copy of the entries.

The excitement generated by the Club participation was unexpected, and it turned out to be quite competitive between the *six* clubs who submitted logs. (and, there were a few club stations that did not submit a log)

Many thanks to the participants who bombarded the ether with their tiny signals. Special thanks to the Clubs and Individuals named above who sponsored prizes for this contest.

Let's do it again, next year!

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Probably, not nececelery. - Benny Hill

Date: Sat, 5 Feb 2000 12:55:21 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62239] Re: FYBO de AL7FS
Message-ID: <Pine.GS0.4.10.10002051254160.22267-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 5 Feb 2000, Jim Larsen AL7FS wrote:

> Make sure the propagation
> if fixed by the time I get there, Ron. :-)

No problem Jim,

I'll be back on 10m near 28060 right at 2100z.

If nothing there by 2115z I'll head for 15m.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Sat, 5 Feb 2000 16:26:11 EST
From: Shepherd@aol.com
To: qrp-1@lehigh.edu
Subject: [62240] FYBO
Message-ID: <14.b3c6ec.25cdef73@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well just when things are not working, you get a real surprise.
Due to family commitments, I have been only able to work hit-and-run today, I
read that AL7FS was on 10 and listening, so I go there and sure enough he's
there. We worked (he sent 229, i sent 339), then right after that, Jack,
WA7LN in UT calls me, we QSY from Jim and another good QSO. I had been
chasing Jack on 20 but without any luck.

I hope all are having fun, I'll be in and out through the day, also where is
Diz, WB8QYY, anyone work him?

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #--6, QRP-1 #1404, FISTS #4985, Zombie #667
<http://members.aol.com/shephed/n8ie.htm>

Date: Sat, 05 Feb 2000 16:43:25 -0500
From: Jim Dolson <jdolson@iserv.net>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [62241] Wanted: Norcal Toroid Kit
Message-ID: <389C997D.617D1D45@iserv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If anyone has an unwanted Norcal Toroid kit that they would like to
sell, please let me know.

Jim
wb8zbd

Date: Sat, 05 Feb 2000 12:49:54 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [62242] FYB0: AL7FS Alaska
Message-ID: <389C9B02.E1E7BC13@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

So far TX, OH, MA, ONT, WA, NM, MD and New Zealand on 10 meters.

CQ FYB0.

Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

Date: Sat, 05 Feb 2000 14:56:50 -0700
From: Tim Pettibone <k5oi@zianet.com>
To: qrp-1@lehigh.edu
Subject: [62243] AL7FS calling cq on 28.060
Message-ID: <3.0.5.32.20000205145650.00798830@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just worked Jim on 28.060khz. He wasn't moving the s-meter but solid copy here. He's calling CQ without a lot of response. Go get him!

Tim K50I
Las Cruces, NM

Date: Sat, 5 Feb 2000 16:38:37 -0600
From: "Kevin Gibson" <kgibson@bresnanlink.net>
To: <jaevans@codenet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [62244] Re: CQ IBM?
Message-ID: <002f01bf7029\$c0116a00\$1fa149cc@bresnanlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

IBM QSO Party - for IBM employees / Retirees

Kevin Gibson
N KLV

----- Original Message -----

From: John A. Evans - N0HJ <jaevans@codenet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, February 04, 2000 6:39 PM
Subject: CQ IBM?

> Greetings,
>
> Quick Q - what contest is this?
>
> tn timer 72 - john - n0hj
>
>

Date: Sat, 5 Feb 2000 22:44:19 -0000
From: "Andy GM0NWI" <gm0nwi@tesco.net>
To: "American QRP List" <qrp-1@lehigh.edu>
Subject: [62245] Fw: [GQRP] HW9 WARC Band Kit Instructions...
Message-ID: <000a01bf702a\$8b9999e0\$9d57ac3e@andy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Andy GM0NWI" <gm0nwi@tesco.net>

Hi all,

Just wantin` to know if anyone here on the list
has, would be kind enough to let me know if
they have the Instruction/Assembly/Circuit..etc
for the HW9 WARC band kit..

I would be interested in speakin` with anyone
who would care to put their trust in me for a

limited loan of this such material..

Or better still if anyone would care to copy them
for me, I will of course endeavour to re-pay any
cost concurred to them..

Here`s hopin` for some input..?

Cheers guy`sthanks in advance..

72s De Andy GMONWI "It is vain to do with more
what can be done with less"

"Long Live QRP...!!"

gm0nwi@tesco.net

ICQ 31899603

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If you want to be single again,
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=== Via the mailing list of the GQRP Club
<http://www.btinternet.com/~g4wif/gqrp.htm> ===

Date: Sat, 5 Feb 2000 18:29:05 -0500
From: "Dave" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [62246] OT: test
Message-ID: <059801bf7030\$cbc3a140\$19b7aec7@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

this is a test to see if I get 18 duplicates of this mail!

End of QRP-L Digest 1722
